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## (54) Title: BNP AGONISTS

(57) Abstract: The present invention relates to dipeptidyl peptidase resistant BNP agonists, their synthesis and therapeutic applications thereof. In particular the present invention relates to compounds of formula (I): R-Xaa1-Xaa2-Xaa3-Pep-OH ; wherein R is selected from the group comprising hydrogen, acetyl, formyl, or alkyl, wherein Xaa1 is an amino-acid selected from serine, alanine, threonine or asparagine, Xaa2 is a L-amino acid or a D-amino acid, different from L-proline, L-alanine, L-glycine or L-serine, optionally substituted by at least one substituent selected from alkyl, aryl or acyl, and Xaa3 is a L-amino acid or a D-amino acid, optionally substituted by at least one substituent selected from alkyl, acetyl, or aryl, wherein Xaa1, Xaa2, Xaa3 are linked to each other by peptide bonds or pseudo-peptide bonds, and wherein Pep is a peptide sequence comprising not more than 29 amino acid residues said sequence comprising a disulfide linked ring structure said ring comprising between 12 and 20 amino acids, wherein the disulfide bond is formed by two cysteines.

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## INTERNATIONAL SEARCH REPORT

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**A. CLASSIFICATION OF SUBJECT MATTER**  
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According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**Minimum documentation searched (classification system followed by classification symbols)  
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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal; WPI Data, PAJ, BIOSIS, EMBASE, Sequence Search

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 2004/011498 A (CONJUCHEM INC; BRIDON, DOMINIQUE, P; BAKIS, PETER; CARETTE, JULIE; LEC) 5 February 2004 (2004-02-05) the whole document -----	1-23
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## C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

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## INTERNATIONAL SEARCH REPORT

## Information on patent family members

International application No

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